

1 9. (amended) An apparatus comprising a mud motor having a tubular outer housing,
2 said tubular outer housing having a through bore substantially along a longitudinal axis
3 thereof and an interior surface and an exterior surface, said tubular outer housing of said mud
4 motor comprising a receiving pocket in the exterior surface sized to receive a sonde.

1 10. (amended) Apparatus of claim 9, further comprising a shock resistant holder for
2 the sonde shaped to be received in the receiving pocket, and a cover plate, removably
3 attached to the outer housing over the receiving pocket, functioning to hold the sonde and
4 shock resistant holder in place.

B1 1 11. (amended) Apparatus of claim 10, further comprising a sonde placed in the shock
2 resistant holder.

1 12. (amended) Apparatus of claim 10, wherein the cover plate further includes at
2 least one longitudinal slot to allow the passage of electromagnetic signals from the sonde.

1 13. (amended) Apparatus of claim 12, wherein the longitudinal slots further include a
2 filling of non-metallic material.

1 14. (amended) Apparatus comprising a mud motor having a tubular outer housing,
2 said tubular outer housing having an exterior diameter, said tubular housing further including
3 a mount for a sonde within the exterior diameter.

1 15. (amended) Apparatus of claim 14, wherein the mount comprises an elastomeric
2 sarcophagus shaped to hold said sonde, a cavity in the tubular outer housing shaped to hold
3 the elastomeric sarcophagus, a lip formed around the cavity, and a removable cover plate set
4 in the lip.

B3 1 17. (amended) Apparatus comprising a mud motor having a tubular outer housing,
2 said tubular outer housing having a through bore substantially along a longitudinal axis
3 thereof, an interior surface and an exterior surface, said tubular outer housing comprising a
4 collar having an interior surface and an exterior surface removably attached at the inner
5 surface of the collar to the outer surface of the tubular outer housing, a receiving pocket in the
6 exterior surface of the collar shaped to receive a sonde, a shock resistant holder for the sonde
7 shaped to set in the receiving pocket, and a cover plate, removably attached to the collar over
8 the receiving pocket, functioning to hold the sonde and shock resistant holder in place.